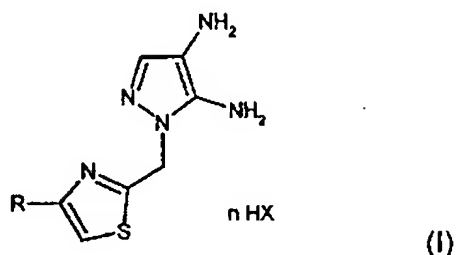


## CLAIMS

1. 4,5-Diaminopyrazoles of general formula (I)



wherein **R** denotes a straight-chain or branched C<sub>1</sub>-C<sub>6</sub>-alkyl group, an unsubstituted phenyl group or a singly or multiply substituted phenyl group wherein the substituents are selected independently of each other from among a halogen atom, a C<sub>1</sub>-C<sub>6</sub> carboxylate ester group, a straight-chain or branched C<sub>1</sub>-C<sub>6</sub>-alkoxy group, a straight-chain or branched C<sub>1</sub>-C<sub>6</sub>-alkoxy group interrupted by one or two hetero atoms, a hydroxyethoxy group, a dihydroxypropoxy group or a nitrile group.

2. 4,5-Diaminopyrazole according to claim 1, characterized in that it is selected from among 1-[(4-phenyl-1,3-thiazol-2-yl)methyl]-4,5-diamino-1H-pyrazole dihydrochloride, 1-[[4-(4-aminophenyl)-1,3-thiazol-2-yl]methyl]-4,5-diamino-1H-pyrazole trihydrochloride, 1-[[4-(4-methoxyphenyl)-1,3-thiazol-2-yl]methyl]-4,5-diamino-1H-pyrazole dihydrochloride, 1-[[4-(4-fluorophenyl)-1,3-thiazol-2-yl]methyl]-4,5-diamino-1H-pyrazole dihydrochloride, 1-[(4-methyl-1,3-thiazol-2-yl)methyl]-4,5-diamino-1H-pyrazole dihydrochloride, 1-[[4-(2,4-dimethoxyphenyl)-1,3-thiazol-2-yl]methyl]-4,5-diamino-1H-pyrazole dihydrochloride, 1-[[4-(2-aminophenyl)-1,3-thiazol-2-yl]methyl]-4,5-diamino-1H-pyrazole trihydrochloride, 1-[[4-(3-amino-4-chlorophenyl)-1,3-thiazol-2-yl]methyl]-4,5-diamino-1H-pyrazole trihydrochloride, 1-[[4-(4-chlorophenyl)-1,3-thiazol-2-yl]methyl]-4,5-diamino-1H-pyrazole dihydrochloride, 1-[[4-(4-bromophenyl)-1,3-thiazol-2-yl]methyl]-4,5-diamino-1H-pyrazole dihydrochloride, 1-[[4-(trifluoromethyl)-1,3-thiazol-2-yl]methyl]-4,5-diamino-1H-pyrazole dihydrochloride and 1-[(4-t-butyl-1,3-thiazol-2-yl)methyl]-4,5-diamino-1H-pyrazole dihydrochloride.

3. Dye carrier composition based on oxidation dye precursors, characterized in that it

contains at least one 4,5-diaminopyrazole of general formula (I) according to claim 1 or 2.

4. Dye carrier composition according to claim 3, characterized in that it contains the 4,5-diaminopyrazole of general formula (I) in an amount from 0.01 to 20 weight percent.

5. Dye carrier composition according to claim 3 or 4, characterized in that it contains additionally at least one coupler and/or one additional developer and/or a direct dye.

6. Agent for coloring keratin fibers obtained by mixing a dye carrier composition with an oxidant, characterized in that a dye carrier composition according to one of claims 3 to 5 is used.

7. Agent according to claim 6, characterized in that the oxidant is hydrogen peroxide.

8. Agent according to claim 6 or 7, characterized in that the dye carrier composition and the oxidant are mixed in a weight ratio of 5:1 to 1:3.

9. Agent according to one of claims 6 to 8, characterized in that it is a hair colorant.

10. Method for producing 4,5-diaminopyrazoles of formula (I) according to claim 1 or 2, characterized in that (2E/Z)-3-anilino-2-nitro-2-propene nitrile is cyclized with ethyl hydrazinoacetate, after which the carboxamido group is formed by aminolysis and then, by use of Lawesson's reagent, the conversion to the thioamide function is carried out, the side-chain heterocycles being formed from said function by reaction with the appropriate halogenomethyl aryl ketone, and finally the nitro group on the pyrazole ring is reduced.